Title: Apparatus and Method to Identify A Maximum Operating

Frequency of a Processor

Inventor(s): Bryant E. Bigbee, Shivnandan Kaushik, Frank Binns

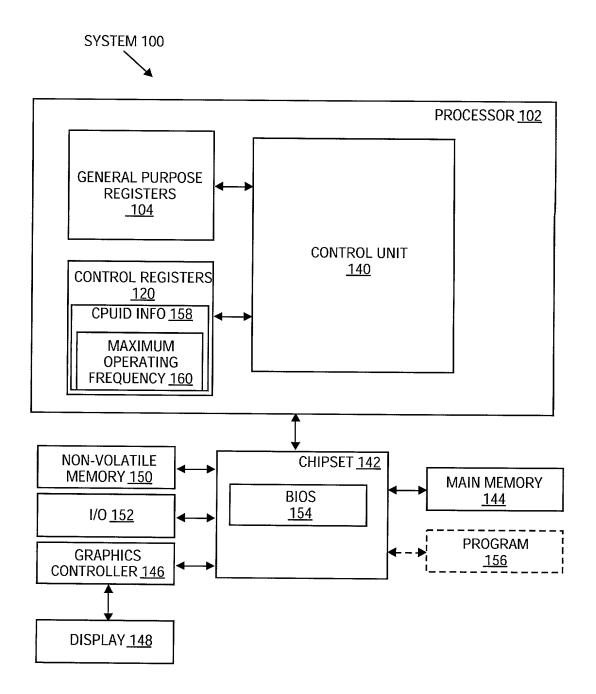
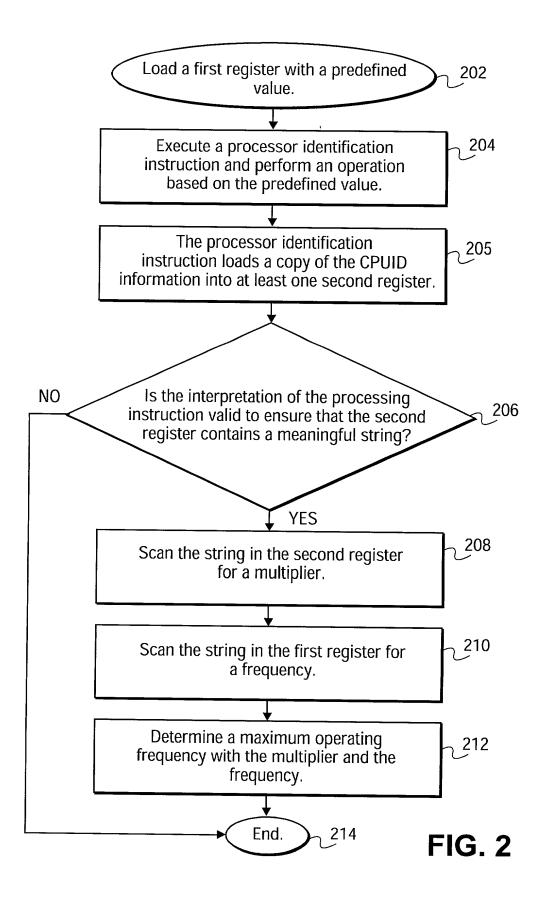


FIG. 1

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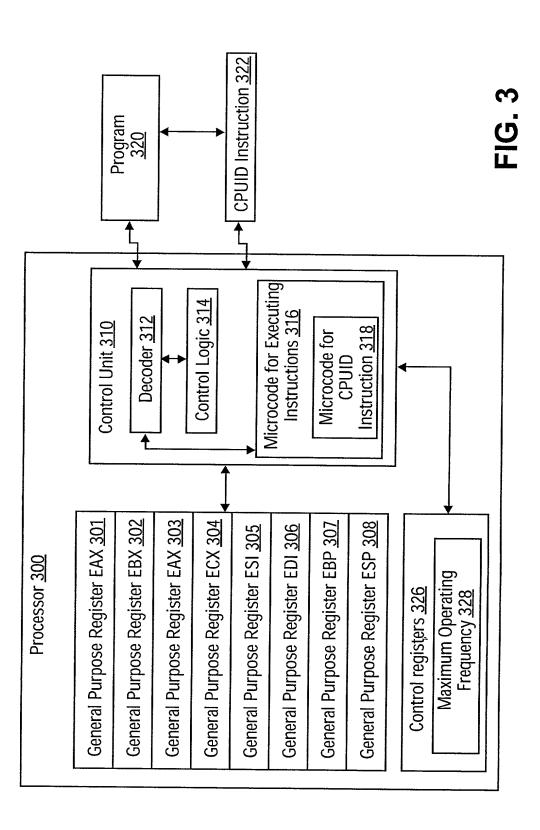
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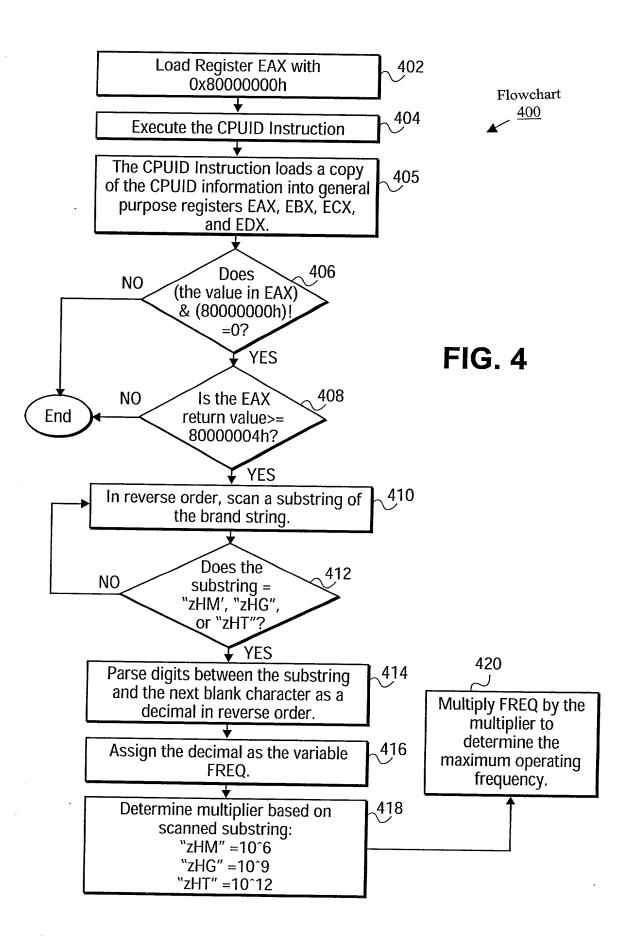
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Atty. Docket No.: 42390P12481

n 506 J		= ECX = EDX = 0	.DX = 0	EAX, EBX, ECX, EDX, contain ASCII brand string	EAX, EBX, ECX, EDX, contain ASCII brand string	EAX, EBX, ECX, EDX, contain ASCII brand string
column 506	Return Value	EAX=80000004; EBX = ECX = EDX = 0	EAX = EBX = ECX = EDX = 0	EAX, EBX, ECX, EDX,	EAX, EBX, ECX, EDX,	EAX, EBX, ECX, EDX,
column 504	Function	80000000h Largest Extended Function Supported	Extended Processor Signature and Extended Feature Bits	Processor Brand String	Processor Brand String	Processor Brand String
column 502	EAX input value	80000000h	80000001h	80000002h	∠ 80000003h	80000004h
	C	20c wo	row 510 ~	row 512	row 514	row 516 7

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	column 602	column 604	column 606
	7	7	7
(	EAX input value	Function	Return Value
7 809 MOI	80000000h	Largest Extended Function Supported	EAX=80000004; EBX = ECX = EDX = 0
row 610 〜	8000001h	Extended Processor Signature and Extended Feature Bits	EAX = EBX = ECX = EDX = 0
row 612	80000002h	Processor Name	EAX = 0x20202020(" "); EBX = 0x20202020(" "); ECX = 0x20202020(" "); EDX = 0x6E492020("nl ")
row 614 ~			EAX = 0x286C6574("(let"); EBX = 0x50202952("P )R"); ECX = 0x69746E65("itne");
row 616	800000030	Processor Name	EDX = 0x52286D75("R(mu") EAX = 0x20342029(" 4 )"); EBX = 0x20555043(" UPC");
	80000004h	Processor Name	ECX = 0x30303431("0041"); EDX = 0x007a484d("\0zHM")